



**County of Chesterfield
Department of Utilities
P.O. Box 608
Chesterfield, Virginia 23832**

Application for Industrial Wastewater Discharge

1.0 General Information

1.1 Name of proposed discharger:

1.2 Address of proposed discharger:

1.3 Person completing this application:

NAME

TITLE

ADDRESS

TELEPHONE NUMBER

2.0 Activity Information

2.1 Type of Industry:

2.2 Standard Industrial Classification:

NAICS NUMBER

PRINCIPAL PRODUCT

2.3 Description of Industrial Processes. Note which processes discharge industrial wastewater into the public sewer system.

2.4 Number of shifts _____

2.5 Employees per shift _____

2.6 Total employees _____

2.7 Circle the days of the week that discharge occurs S M T W T F S

2.8 Wastewater Discharge Quantities

TYPE	GALLONS/DAY		*FLOW I or C	DESCRIPTION
	AVERAGE	MAXIMUM		
Sanitary				
Cooling				
Boiler Blow Down				
Process 1				
Process 2				
Process 3				
Process 4				
Process 5				
Other				
Other				

*Intermittent or continuous

3.0 Proposed Pretreatment

3.1 Are process industrial wastes physically separated from all other wastes?

_____ Yes _____ No

Comments _____

3.2 Is the applicant aware of any Federal Pretreatment Standards applicable to this industry?

_____ Yes _____ No

Is the industry a "Categorical Industry?" _____ Yes _____ No

Comments _____

3.3 Is the proposed pretreatment a continuous _____ or a batch _____ operation? If batch, describe frequency and duration of operation _____

3.4 Describe in detail the wastewater pretreatment processes and include design volumes, detention times, removal efficiencies, etc.
Attach any design drawings.

3.5 Describe sludge disposal method.

3.6 If applicable, provide sludge disposal contractor, address and telephone number.

3.7 List any existing regulatory permits or documents.
Attach copies to this application.

4.0 Characteristics and Concentration of Pollutants in Wastewater Discharge

Are any of the following pollutants present or suspected of being present in the wastewaters discharged to the sanitary sewer? If **yes**, please provide the anticipated concentration (after pretreatment) in ppm (mg/l) or ppb.

Table 1 Substances			
	Acenaphthene		Chlorophenylphenyl ether
	Acrolein		Bromophenylphenyl ether
	Acrylonitrile		(Bis dichloroisopropyl) ether
	Aldrin/Dieldrin		Bis (chloroethoxy) methane
	Antimony and Compounds		Polychlorinated diphenyl ether
	Arsenic and Compounds		Halomethanes
	Asbestos		Methylene Chloride
	Benzene		Methylchloride
	Benzidine		Methylbromide
	Beryllium and Compounds		Bromoform
	Cadmium and Compounds		Dichlorobromomethane
	Carbon Tetrachloride		Trichlorofluoromethane
	Chlordane		Dichlorodifluoromethane
	Chlorinated benzenes		Heptachlor and metabolites
	Chlorinated ethanes		Hexachlorobutadiene
	1, 2 Dichloroethane		Hexachlorocyclohexane (all isomers)
	1, 1, 1 Trichloroethane		Hexachlorocyclopentadiene
	Hexachloroethane		Isophorone
	Chloroalkyl ethers		Lead and Compounds
	Chloromethyl		Mercury and Compounds
	Chloroethyl		Naphthalene
	Mixed ethers		Nickel and Compounds
	Chlorinated naphthalene		Nitrobenzene
	Chlorinated phenols		Nitrophenols
	Trichlorophenol		2, 4 Dinitrophenol
	Chlorinated cresols		Dinitrocresol
	Chloroform		Nitrosamines
	2 – Chlorophenol		Pentachlorophenol
	Chromium and Compounds		Phenol
	Copper and Compounds		Phthalate esters
	Cyanides		Polychlorinated biphenyls (PCB's)
	DDT and metabolites		Polynuclear Aromatic Hydrocarbons
	1, 2 Dichlorobenzene		Benzanthracenes
	1, 3 Dichlorobenzene		Benzopyrenes
	1, 4 Dichlorobenzene		Benzo(a)fluoranthene
	Dichlorobenzidine		Chrysenes
	1, 1 Dichloroethylene		Dibenzanthracenes
	1, 2 Dichloroethylene		Indenopyrenes
	2, 4 Dichloroethylene		Selenium and Compounds
	Dichloropropane and dichloropropene		Silver and Compounds
	2, 4 - Dimethylphenol		2, 3, 7, 8-Tetrachlorodibenzo-p-dioxin

	Dinitrotoluene		Tetrachloroethylene
	Diphenylhydrazine		Thallium and Compounds
	Endosulfan and metabolites		Toluene
	Endrin and metabolites		Toxaphene
	Ethylbenzene		Trichloroethylene
	Fluoranthene		Vinyl Chloride
	Haloethers		Zinc and Compounds

Table 2 Substances I			
	Aldrin		Hentachlor Enoxide
	Amitrole		Lindane
	Arsenic containing pesticides		Malathion
	Atrazine		Mercury containing pesticides
	Azinphosmethy (Guthion)		Methoxychlor
	Benzene Hexachloride (BHC)		Methyl Parathion
	Captan		Mirex
	Chlordane		Nitralin (Planavin)
	2, 4-D (acetic acid)		Parathion
	DDT		PCNB (Pentachloronitrobenzene)
	Dicamba		Picloram
	Dieldrin		Silvex (propionic acid)
	Dithiocarbamate Pesticides		Strobane
	Maneb		2, 4, 5-T (acetic acid)
	Ferbam		TDE (DDD)
	Zineb		Toxaphene
	Endrin		Trifluralin
	Heptachlor		
Table 2 Substances II			
	DCNA (Botran)		Lead arsenate or other
	Carbaryl		Lead-containing Pesticides
	Demetron (Systox)		Linuron
	Diazinon		PCP (Pentachlorophenol)
	Disulfoton (Di-Syston)		Propanil
	Diuron		Triazine-type herbicides
	Endosulfan (Thiodan)		Simazine
	Fenacs		Propazine
	Fluometuron		Prometryne
	Inorganic Bromide		TBA
Table 2 Substances III			
	PCB's (Polychlorobiphenyls)		Polychlorodibenzo-p-dioxins

Table 3 Substances			
	Algaecides		Molybdenum
	Aluminum		Nitrate
	Ammonia		Nitrite
	Barium		Oil and Grease
	Biochemical Oxygen Demand (BOD ₅)		Organic Nitrogen
	Boron		Pesticides
	Bromide		pH
	Calcium		Phosphorus
	Chemical Oxygen Demand (COD)		Potassium
	Chloride		Radioactivity (picocuri/liter)
	Cobalt		Sodium
	Color (Pt-Co Units)		Sulfate
	Dyes (organic)		Sulfide
	Dyes (inorganic)		Sulfite
	Fecal Coliform Bacteria		Surfactants
	Flammable Liquids		Total Suspended Solids
	Fluoride		Thallium
	High Temperature (>80°F)		Titanium
	Iron		Tin
	Magnesium		Turbidity (Jackson units)
	Manganese		Other*

*Others - other wastewater substances/characteristics known to be present but not identified by the three preceding lists. List those substances here.

5.0 Additional Information

- 5.1 Attach to this application schematic and/or final engineering drawings for the proposed waste pretreatment system.

Attached ____ Yes ____ No

Comments _____

- 5.2 Attach to this application, facility "Plumbing Plans" which show the origin and flow paths of all generated wastestreams.

Attached _____ Yes _____ No

Comments _____

- 5.3 Attach to this application a facility "Site Piping Plan" for determination of appropriate sampling points.

Attached _____ Yes _____ No

- 5.4 Attach to this application copies of all existing environmental regulatory permits for similar existing facilities.

Attached _____ Yes _____ No

Comments _____

- 5.5 Attach to this application all other relevant information on any existing facility that would aid in evaluating the proposed waste characteristics (eg. laboratory analyses, control test logs, etc.).

Comments _____

6.0 Certification

I am personally familiar with the information submitted in this application and hereby certify that the information herein is true, accurate and complete.

NAME (Type or Print)

SIGNATURE

TITLE

DATE

